

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) An electrochemical device having an electrode plate assembly that comprises: (a) at least one first electrode; (b) at least one second electrode; and (c) a separator interposed between the first electrode and the second electrode,

wherein said electrode plate assembly includes a PTC device,

said first electrode (a) comprises a first current collector sheet having a conductive area and an insulating area and at least one first electrode mixture layer carried thereon,

said second electrode (b) comprises a second current collector sheet having a conductive area and an insulating area and at least one second electrode mixture layer carried thereon,

said electrode plate assembly is a layered-type electrode plate assembly obtained by layering said first electrode, said second electrode and said separator, and

the conductive area of said first current collector sheet is connected to a first terminal on a first side face of said layered-type electrode plate assembly, the conductive area of said second current collector sheet is connected to a second terminal on a second side face of said layered-type electrode plate assembly, the insulating area of said first current collector sheet is positioned on said second side face, and the insulating area of said second current collector sheet is positioned on said first side face,

wherein said insulating area of said first current collector protrudes to the second terminal, and said insulating area of said second current collector protrudes to the first terminal,
and

the conductive area of said first current collector is not positioned on said second side face, and the conductive area of said second current collector is not positioned on said first side face.

2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Previously presented) The electrochemical device in accordance with claim 1, wherein said PTC device is shaped like a sheet.
6. (Previously presented) The electrochemical device in accordance with any of claim 1, wherein said PTC device is positioned on said first side face or said second side face.
7. (Previously presented) The electrochemical device in accordance with claim 1, wherein said PTC device is positioned in parallel with said first electrode, said second electrode and said separator in said layered-type electrode plate assembly.
8. (Previously presented) The electrochemical device in accordance with claim 1, wherein the insulating area of said first current collector sheet and the insulating area of said second current collector sheet are positioned on the side faces of said layered-type electrode plate assembly other than said first side face and said second side face.
9. (Previously presented) The electrochemical device in accordance with claim 1, wherein said layered-type electrode plate assembly has a side face on which the insulating area of said first current collector sheet and/or the insulating area of said second current collector sheet are/is positioned, other than said first side face and said second side face.

10. (Previously presented) The electrochemical device in accordance with claim 1, wherein said first side face and said second side face are positioned on opposite sides of said layered-type electrode plate assembly.

11. (Previously presented) The electrochemical device in accordance with claim 1, wherein a first insulating material portion is provided between said first terminal and said first side face for insulating said first terminal from said second electrode, and a second insulating material portion is provided between said second terminal and said second side face for insulating said second terminal from said first electrode.

12. (Previously presented) The electrochemical device in accordance with claim 1, wherein said electrode plate assembly is a wound-type electrode plate assembly obtained by layering and winding said first electrode, said second electrode and said separator.

13. (Original) The electrochemical device in accordance with claim 12, wherein the conductive area of said first current collector sheet is connected to a first terminal on a first bottom face of said wound-type electrode plate assembly, the conductive area of said second current collector sheet is connected to a second terminal on a second bottom face of said wound-type electrode plate assembly, the insulating area of said first current collector sheet is positioned on said second bottom face, and the insulating area of said second current collector sheet is positioned on said first bottom face.

14. (Previously presented) The electrochemical device in accordance with claim 12, wherein said PTC device is shaped like a flat plate or a round plate.

15. (Previously presented) The electrochemical device in accordance with claim 12, wherein said PTC device is positioned on said first bottom face or said second bottom face.

16. (Original) The electrochemical device in accordance with claim 12, wherein a first insulating material portion is provided between said first terminal and said first bottom face for insulating said first terminal from said second electrode, and a second insulating material portion is provided between said second terminal and said second bottom face for insulating said second terminal from said first electrode.